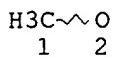


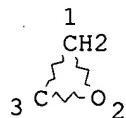
=> d que 128  
L8 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 2

STEREO ATTRIBUTES: NONE  
L9 STR

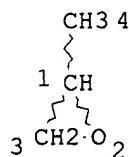


*Search by  
Monomers*

NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 3

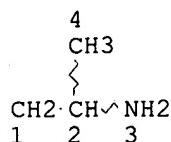
STEREO ATTRIBUTES: NONE  
L10 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE  
L11 STR



## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 4

## STEREO ATTRIBUTES: NONE

L13	124 SEA FILE=REGISTRY SSS FUL L8 AND L9 AND L10 AND L11	
L15	2 SEA FILE=REGISTRY ABB=ON PLU=ON L13 AND NC<5	<i>Claim 4</i>
L17	427 SEA FILE=REGISTRY SSS FUL L10 AND L11	
L19	0 SEA FILE=REGISTRY ABB=ON PLU=ON L17 AND NC<3	<i>Claim 6 + 10</i>
L20	427 SEA FILE=REGISTRY SUB=L17 SSS FUL L9 AND L10 AND L11	
L21	3 SEA FILE=REGISTRY ABB=ON PLU=ON L20 AND NC<4	<i>Claim 8</i>
L22	435 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 OR L19 OR L21	
L27	43166 SEA FILE=HCAPLUS ABB=ON PLU=ON HERBICIDES+NT/CT	
L28	3 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 AND L27	

=> d ibib abs hitind hitstr 128 1-3

L28 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:903991 HCAPLUS

DOCUMENT NUMBER: 136:39136

TITLE: In-situ formed surfactants for the production of micro emulsions

INVENTOR(S): Scher, Herbert Benson; Mulqueen, Patrick Joseph;  
 Green, Nicholas David; Piper, Catherine Julia

PATENT ASSIGNEE(S): Syngenta Limited, UK

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001094002	A2	20011213	WO 2001-GB2466	20010604
WO 2001094002	A3	20020328		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1294478	A2	20030326	EP 2001-940708	20010604
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2002040065	A1	20020404	US 2001-874955	20010605
PRIORITY APPLN. INFO.:			US 2000-209717P	P 20000605
			WO 2001-GB2466	W 20010604

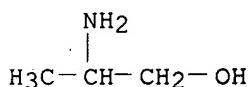
AB A novel emulsion comprising a material (e.g., herbicide and fungicide)

which is stabilized by a polymer resin precursor having interface active mols. incorporated therein by reaction from poorly or non-surface active materials is disclosed. Thus, stirring at room temp. a polyethylene glycol Me ether with Suprasec 2211 (PAPI; 2% of oil phase) in Solvesso 200 (arom. hydrocarbon) oil for 24 h could form a stable emulsion with microdroplets.

IC ICM B01J013-00  
 CC 46-4 (Surface Active Agents and Detergents)  
 Section cross-reference(s): 5  
 IT Antibacterial agents  
 Emulsifying agents  
 Emulsions  
 Fungicides  
**Herbicides**  
 (in-situ formed surfactants for prodn. of micro emulsions)  
 IT 622-58-2, p-Tolyl isocyanate 4202-38-4, Dodecyl isocyanate 9004-74-4,  
 Polyethylene glycol monomethyl ether 26471-62-5, TDI 83713-01-3  
 380363-57-5, NTF 52005  
 RL: RCT (Reactant); TEM (Technical or engineered material use); RACT  
 (Reactant or reagent); USES (Uses)  
 (reactant for in-situ surfactants; in-situ formed surfactants for  
 prodn. of micro emulsions)  
 IT 83713-01-3  
 RL: RCT (Reactant); TEM (Technical or engineered material use); RACT  
 (Reactant or reagent); USES (Uses)  
 (reactant for in-situ surfactants; in-situ formed surfactants for  
 prodn. of micro emulsions)  
 RN 83713-01-3 HCAPLUS  
 CN Oxirane, methyl-, polymer with oxirane, 2-aminopropyl methyl ether (9CI)  
 (CA INDEX NAME)

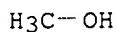
CM 1

CRN 6168-72-5  
 CMF C3 H9 N O



CM 2

CRN 67-56-1  
 CMF C H4 O

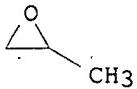


CM 3

CRN 9003-11-6  
 CMF (C3 H6 O . C2 H4 O)x

CCI PMS

CM 4

CRN 75-56-9  
CMF C3 H6 O

CM 5

CRN 75-21-8  
CMF C2 H4 O

L28 ANSWER 2 OF 3 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:741541 HCPLUS  
 DOCUMENT NUMBER: 135:284542  
 TITLE: (Poly)ethereal ammonium salts of acidic herbicides and their use as herbicides  
 INVENTOR(S): Haga, Takahiro; Crosby, Kevin E.; Schussler, Jeffrey R.  
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan  
 SOURCE: U.S., 20 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6300323	B1	20011009	US 2000-634630	20000808
WO 2002012165	A1	20020214	WO 2001-US22586	20010802
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001080601	A5	20020218	AU 2001-80601	20010802
PRIORITY APPLN. INFO.:			US 2000-634630	A2 20000808
			WO 2001-US22586	W 20010802
AB Compds. [Acidic Herbicide-X]x.cndot.[Acidic Herbicide-Y]y.cndot.[Acidic				

Herbicide-Z]z.cntdot.[(poly)ethereal amine] (x, y, z = 0- 3) are used as herbicides. Acidic Herbicide-X, acidic Herbicide-Y, and acidic Herbicide-Z are the same or different and are selected from the group consisting of acifluorfen, asulam, benazolin, bentazon, bilanafos, bromacil, bromoxynil, chloramben, clopyralid, cyhalofop, 2,4-D, 2,4-DB, dalapon, dicamba, dichlorprop, diclofop, DNOC, endothall, fenac, fenoxaprop, flamprop, fluazifop, flumiclorac, fluoroglycofen, fomesafen, fosamine, glufosinate, glyphosate, haloxyfop, imazameth, imazamethabenz, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, ioxynil, MCPA, MCPB, MCPP, mecoprop, methylarsonic acid, naptalam, nonanoic acid, picloram, quinclorac, quizalofop, sulfamic acid, 2,3,6-TBA, TCA, and triclopyr. The (poly)ethereal amine is selected from compds. R1(OR2)mN(R3)(R4), R1(OR2)mR5N(R3)(R4), R1OR5(OR2)mR6N(R3)(R4), R1(OR2)l(OR5)m(OR6)nN(R3)(R4) , and R7[(OR2)lN(R3)(R4)][(CH2)p(OR2)mN(R3)(R4)][(OR2)nN(R3)(R4)] [R1= H, C1-26 alkyl, C2-6 alkenyl, (un)substituted (un)brabched C2-6, etc.; R2, R5, R6 = (un)substituted (un)brabched C1-8 alkylene; R3, R4 = H, (un)substituted (un)brabched C1-6 alkyl; R7 = H, C1-6 alkyl group; l, m, n = 1-500].

IC ICM A01N057-12  
ICS C07C229-06

NCL 514076000

CC 5-3 (Agrochemical Bioregulators)

IT **Herbicides**

(prepn. of (poly)ethereal ammonium salts of glyphosate as herbicides)

IT 100-37-8, N,N-Diethyl-ethanol amine 929-75-9 69045-84-7,  
2,3-Dichloro-5-trifluoromethyl-pyridine 83713-01-3 179827-16-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of (poly)ethereal ammonium salts of glyphosate as herbicides)

IT 83713-01-3

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of (poly)ethereal ammonium salts of glyphosate as herbicides)

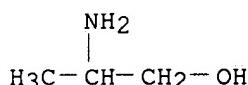
RN 83713-01-3 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane, 2-aminopropyl methyl ether (9CI)  
(CA INDEX NAME)

CM 1

CRN 6168-72-5

CMF C3 H9 N O



CM 2

CRN 67-56-1

CMF C H4 O

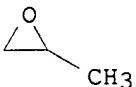
H<sub>3</sub>C-OH

CM 3

CRN 9003-11-6  
 CMF (C3 H6 O . C2 H4 O)x  
 CCI PMS

CM 4

CRN 75-56-9  
 CMF C3 H6 O



CM 5

CRN 75-21-8  
 CMF C2 H4 O



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:725403 HCAPLUS  
 DOCUMENT NUMBER: 133:277516  
 TITLE: A herbicidal composition containing an activity-enhancing adjuvant  
 INVENTOR(S): Cutler, Julia Lynne; Bean, Michael John; Seville, Antony George  
 PATENT ASSIGNEE(S): Zeneca Ltd., UK  
 SOURCE: PCT Int. Appl., 21 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059302	A1	20001012	WO 2000-GB1062	20000321
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,			

CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1164845	A1	20020102	EP 2000-911114 20000321
EP 1164845	B1	20030521	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 2000009515	A	20020416	BR 2000-9515 20000321
JP 2002541075	T2	20021203	JP 2000-608879 20000321
BG 106055	A	20020531	BG 2001-106055 20011026
PRIORITY APPLN. INFO.: GB 1999-7669 A 19990401			
WO 2000-GB1062 W 20000321			

AB An aq. herbicidal compn. comprises an active ingredient, such as salt of glyphosate, paraquat or fomesafen, and an activity-enhancing adjuvant of formula X(R3O)aR4NR2R1 (R1, R2 = H, lower alkyl, etc.; R3O = ethoxy, propoxy, or butoxy, or mixt. thereof; R4 = linear or branched chain alkylene; X = OH, lower alkyloxy, etc.), and salts thereof. The adjuvant can be used in the form of salt with glyphosate or with an acidic alkylpolyglycide surfactant.

IC ICM A01N025-30

ICS A01N057-20

CC 5-3 (Agrochemical Bioregulators)

IT **Herbicides**

Pesticide formulations

(herbicidal compn. contg. activity-enhancing adjuvant)

IT **65605-36-9**

RL: MOA (Modifier or additive use); USES (Uses)  
(Jeffamine ED 600, Jeffamine ED 900, Jeffamine ED 2003;  
activity-enhancing adjuvant in herbicidal compn.)

IT **83713-01-3**

RL: MOA (Modifier or additive use); USES (Uses)  
(Jeffamine M 1000, Jeffamine M 2005, Jeffamine M 2070;  
activity-enhancing adjuvant in herbicidal compn.)

IT **65605-36-9**

RL: MOA (Modifier or additive use); USES (Uses)  
(Jeffamine ED 600, Jeffamine ED 900, Jeffamine ED 2003;  
activity-enhancing adjuvant in herbicidal compn.)

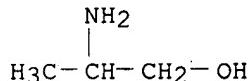
RN 65605-36-9 HCPLUS

CN Oxirane, methyl-, polymer with oxirane, bis(2-aminopropyl) ether (9CI)  
(CA INDEX NAME)

CM 1

CRN 6168-72-5

CMF C3 H9 N O



CM 2

CRN 9003-11-6

CMF (C3 H6 O . C2 H4 O)x

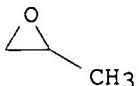
CCI PMS

Clardy 09/937,762

June 14, 2003

CM 3

CRN 75-56-9  
CMF C3 H6 O



CM 4

CRN 75-21-8  
CMF C2 H4 O



IT 83713-01-3

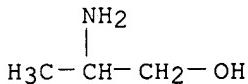
RL: MOA (Modifier or additive use); USES (Uses)  
(Jeffamine M 1000, Jeffamine M 2005, Jeffamine M 2070;  
activity-enhancing adjuvant in herbicidal compn.)

RN 83713-01-3 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane, 2-aminopropyl methyl ether (9CI)  
(CA INDEX NAME)

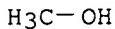
CM 1

CRN 6168-72-5  
CMF C3 H9 N O



CM 2

CRN 67-56-1  
CMF C H4 O



CM 3

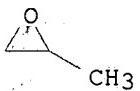
CRN 9003-11-6  
CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

Clardy 09/937,762

June 14, 2003

CM 4

CRN 75-56-9  
CMF C3 H6 O



CM 5

CRN 75-21-8  
CMF C2 H4 O



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT